**S4 Table.** Gene-specific PCR primers for Sanger sequencing of exome variants in S2 and S3 Tables.

|  |  |  |
| --- | --- | --- |
| Primer | Sequence 5´ > 3´ | Product Size (bp) |
| LRRC8B Forward | CACGCTGGGTATTTCACCT | 675 |
| LRRC8B Reverse | GTACGGCAGATACTGAATAAAAGAA |
| RIT1 Forward | GCCAAGCCAAGAATCTGTAAGC | 292 |
| RIT1 Reverse | ACCCTTGTTTCCCTCTAGGC |
| IGFN1 Forward | TTCCCAGTCTCCCACAAGGA | 478 |
| IGFN1 Reverse | AAGTGCATTGCGGCTACTCA |
| RIF1 Forward | TGTTAGTGAATGAATGTATTTGATCTT | 587 |
| RIF1 Reverse | ATCGTGCCACTGCTCTCC |
| EFEMP1 Forward | GGTGAGCCAGCTTCAAAGAC | 679 |
| EFEMP1 Reverse | TGCAGACAAAGCACTTAGCA |
| CCDC71 Forward | ACAGTCTCAGGGCGGTTTTT | 517 |
| CCDC71 Reverse | AAAGTTCAGGGAAGGGTCCG |
| GPR98 Forward | TCTGGGAGATGGGACAGTCT | 200 |
| GPR98 Reverse | CCCAGTGTCTGGCAATGTGA |
| WDR36 Forward | AGCCGTGGATGTTGTTGCTA | 142 |
| WDR36 Reverse | TGTTAAAAGTTACCTGTGCGAAA |
| CDSN Forward | GGTAGGGTAAACCGGAGCTG | 598 |
| CDSN Reverse | AACCACGTCCCTGTAGTTC |
| OPTN Forward | CATCAGATCAAGTCCACTTT | 244 |
| OPTN Reverse | GGAGTCTAGACACGTAAGAT |
| CD248 Forward | CACTGAGGAGTGGTAGGGGA | 349 |
| CD248 Reverse | CTACGTTGGTGGCTTCGAGT |
| MUC16 Forward | ATTCTGTCATGGTGGGCGAG | 546 |
| MUC16 Reverse | CAGACAATTGGGCACAAGC |
| IGRC Forward | CGCATCTTCCTGGTGTCCAA | 859 |
| IGRC Reverse | CAGCCCTCACATTCACCACAT |
| SHANK1 Forward | GGGATCAGACCTTCCCCTAC | 243 |
| SHANK1 Reverse | AGGTGGGGAGAGAAAGTGGT |
| TRMU Forward | TCCCCACCTTCACATTCCAT | 235 |
| TRMU Reverse | AAATCTGGCCTCAGGAAGCTC |